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DERWENT-ACC-NO: 1989-232142

DERWENT-WEEK: 198932

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TITLE: Anti-inositol phosphate-monoclonal antibody - used in kits or systems for radioimmunoassays, enzyme-immunoassay, etc.

PATENT-ASSIGNEE: MITSUI PHARM INC[MITH] , MITSUI TOATSU CHEM INC[MITK]

PRIORITY-DATA: 1987JP-0327329 (December 25, 1987)

PATENT-FAMILY:				
PUB-NO	PUB-DATE	LANGUAGE	PAGES	MAIN-IPC
JP 01168299 A	July 3, 1989	N/A	011	N/A

APPLICATION-DATA:			
PUB-NO	APPL-DESCRIPTOR	APPL-NO	APPL-DATE
JP 01168299A	N/A	1987JP-0327329	December 25, 1987

INT-CL (IPC): A61K039/39, C07K015/04 , C12N005/00 , C12N015/00 , C12P021/00 , C12R001/91 , G01N033/53

ABSTRACTED-PUB-NO: JP 01168299A

BASIC-ABSTRACT:

Anti-inositol phosphate-monoclonal antibody is new, which is specific to an inositol phosphate cpd. selected from inositol-1-phosphate, inositol-4-phosphate, inositol-5-phosphate, inositol-1,4-diphosphate, inositol-1,4,5-triphosphate, inositol-1,3,4-triphosphate, inositol-2,4,5-triphosphate, inositol-1,3,4,5-tetraphosphate, inositol-1,2,4,5-tetraphosphate, inositol-pentaphosphate, inositol-hexaphosphate (phytic acid.).

The antibody is prepd. by (1) an immunogenic conjugate is prepd. which comprises a hapten of the inositol phosphate cpd. and a carrier of protein selected from keyhole limpet hemocyanin (KLH), bovine serum albumin (BSA), ovalbumin (OVA) and BCG cells, the the carrier being activated with a condensing agent; (2) an animal (e.g. mouse) is immunised with the immunogenic conjugate where the conjugate is inoculated in the animal together with Freund's complete adjuvant, Freund's Freund's incomplete adjuvant, Ribi adjuvant or Bordetella pertussis adjuvant; (3) cell Fusion; The spleen cells of the immunised animal/(mouse)are hybridised with mouse myeloma cells to obtain hybridoma; and (4) the mouse hybridoma are incubated in a medium or in the abdomen of mouse, and the intended anti-inositol phosphate-monoclonal antibody is sepd. from the incubated liq.

USE/ADVANTAGE - The antibody is used in kits or systems for radioimmunoassay, enzyme immunoassay, fluorescent immunoassay, Anti-inositol-1,4,5-triphosphate-monoclonal antibody was found effective as carcinostatic.

CHOSEN-DRAWING: Dwg.0/0

TITLE-TERMS: ANTI INOSITOL PHOSPHATE MONOCLONAL ANTIBODY KIT SYSTEM  
RADIOIMMUNOASSAY ENZYME IMMUNOASSAY

DERWENT-CLASS: B04 D16 S03

CPI-CODES: B04-B04C5; B12-G07; B12-K04A; D05-H11;

EPI-CODES: S03-E14H4;

CHEMICAL-CODES:  
Chemical Indexing M1 \*01\*